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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Hall, et al.

Serial No.: 10/711,454

Filed: September 20, 2004

For: Apparatus in a Drill String

§ Art Unit: 3672

§ Examiner:

§ Docket No.: 66.0007-2

April 25, 2006

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Alexandria, VA 22314

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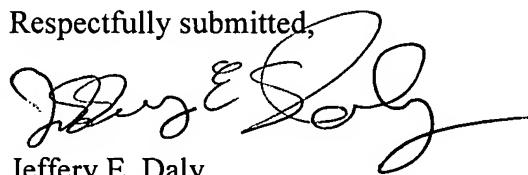
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UNDER 37 C.F.R. §§ 1.97 and 1.98

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the references listed on the attached Form PTO/SB/08A be considered by the Examiner and made of record.

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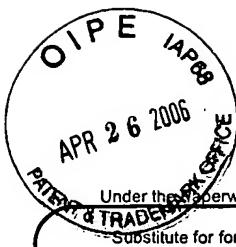
This Information Disclosure Statement is filed in accordance with 37 C.F.R. 1.97 (b). No fees are deemed to be due at this time, but please charge any additional fees that may be required at any time during the prosecution of this application without specific authorization, or credit any overpayment, to Deposit Account No. 180584. If there are any questions concerning the above, please contact the undersigned at (281) 878-5658.

Respectfully submitted,



Jeffery E. Daly  
Reg. No. 44,640  
Customer No. 38046

IntelliServ, Inc.  
400 N. Sam Houston Parkway E. #900  
Houston, TX 77060  
Ph: 281.878.5658  
Fax: 281.878.5720  
e-mail: [jeff.daly@grantprideco.com](mailto:jeff.daly@grantprideco.com)



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PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 7

### Complete if Known

Application Number	10/711,454
Filing Date	September 20, 2004
First Named Inventor	Hall, et al.
Art Unit	3672
Examiner Name	

Attorney Docket Number 66.0007-2

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US· 00749633	01-12-1904	Seeley	
		US· 02178931	11-07-1939	Crites et al.	
		US· 02301783	11-10-1942	Lee	
		US· 02354887	08-01-1944	Silverman et al.	
		US· 02379800	07-03-1945	Hare	
		US· 02414719	01-21-1947	Cloud	
		US· 02659773	11-17-1953	Barney	
		US· 02662123	12-08-1953	Koenig Jr.	
		US· 02974303	03-07-1961	Dixon	
		US· 03079549	02-26-1963	Martin	
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		US· 03209323	09-28-1965	Grossman Jr.	
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		US· 03807502	04-30-1974	Heilhecker et al.	

### FOREIGN PATENT DOCUMENTS

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		US- 03879097	04-22-1975	Oertle	
		US- 03930220	12-30-1975	Shawhan	
		US- 03957118	05-18-1976	Barry et al.	
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		US- 04698631	10-06-1987	Kelly Jr et al	
		US- 04722402	02-02-1988	Weldon	
		US- 04785247	11-15-1988	Meador et al.	

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		US- 04788544	11-29-1988	Howard	
		US- 04806928	02-21-1989	Veneruso	
		US- 04884071	11-28-1989	Howard	
		US- 04901069	02-13-1990	Veneruso	
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		US- 04924949	05-15-1990	Curlett	
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		US- 05371496	12-06-1994	Tanamachi	
		US- 05454605	10-03-1995	Mott	
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		US- 05505502	04-09-1996	Smith et al.	
		US- 05517843	05-21-1996	Winship	

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		US- 05521592	05-28-1996	Veneruso	
		US- 05568448	10-22-1996	Tanigushi et al.	
		US- 05650983	07-22-1997	Kondo et al.	
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		US- 05898408	04-27-1999	Du	
		US- 05908212	06-01-1999	Smith et al.	
		US- 05924499	07-20-1999	Birchak et al.	
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		US- 05955966	09-21-1999	Jeffryes et al.	
		US- 05959547	09-28-1999	Tubel et al.	
		US- 05971072	10-26-1999	Huber et al.	
		US- 06030004	02-29-2000	Schock et al.	
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		US- 06045165	04-04-2000	Sugino et al.	

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		US- 06046685	04-04-2000	Tubel	
		US- 06057784	05-02-2000	Schaaf et al.	
		US- 06104707	08-15-2000	Abraham	
		US- 06108268	08-22-2000	Moss	
		US- 06123561	09-26-2000	Turner et al.	
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		US- 06196335 B1	03-06-2001	Rodney	
		US- 06223826 B1	05-01-2001	Chau et al.	
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		US- 04126848	11-21-1978	Denison	

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		E0399987 A1	11/28/1990	Smet-Hole, Naamioze	
		W8801096	02/11/1988	Contrology Products Ltd	
		W09014497	11/29/1990	Eastman Christensen GmbH	

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		Art Unit	3672
		Examiner Name	
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## **NON PATENT LITERATURE DOCUMENTS**

Examiner Signature		Date Considered	
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**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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